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# THE PLANT DISEASE REPORTER

Issued By

## THE PLANT DISEASE SURVEY



Division of Mycology and Disease Survey

BUREAU OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING

AGRICULTURAL RESEARCH ADMINISTRATION

UNITED STATES DEPARTMENT OF AGRICULTURE

### HOST INDEX TO NON-FUNGUS DISEASES OF PLANTS IN CHINA

Supplement 215

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The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.



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THE PLANT DISEASE SURVEY  
DIVISION OF MYCOLOGY AND DISEASE SURVEY

Plant Industry Station

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HOST INDEX TO NON-FUNGUS DISEASES OF PLANTS IN CHINAW. N. Siang<sup>1</sup>Plant Disease Reporter  
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The list by Tai<sup>2</sup> and the index by Ling<sup>3</sup>, as well as the monograph by Teng<sup>4</sup>, adequately cover the parasitic fungi of plants known to occur in China. Darker's list<sup>5</sup>, which covers Eastern Asia, is apparently the only list of a similar nature that attempts to cover the occurrence of non-fungus diseases in China.

For the most part reports on the occurrence of plant diseases in China are published either in Chinese or in periodicals of limited circulation, and are therefore frequently overlooked by workers outside of that country. The purpose of this index is to provide ready access to known information concerning the occurrence and distribution of such non-fungus diseases as those incited by malnutrition, bacteria, parasitic phanerogams, nematodes, viruses, and other agents.

In the preparation of this index an effort has been made to make the list as complete and current as possible. The diseases of Taiwan (Formosa) have not been included because of inadequate library facilities. It is hoped that a supplementary list covering that area can be published in the near future. The compiler would appreciate having brought to his attention any omissions or errors in this index.

## ABUTILON

A. avicinnae Gaertn., Indian mallow  
Mosaic, virus unidentified. Manchuria (18)

## ACER

A. buergerianum Miq.  
— Dodder (Cuscuta japonica Choisy). Chekiang<sup>6</sup> (40)  
Acer sp.  
— Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ACTINOSTEMMA

A. lobatum Max. var. racemosum Max.  
— Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ACHYRANTHES

A. bidentata Bl.  
— Dodder (Cuscuta japonica Choisy). Chekiang (40)

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<sup>2</sup>Tai, F. L. 1936-37. A list of fungi hitherto known from China, Parts I, II, III and IV. Sci. Rept. Tsing Hua Univ. Ser. B 2: 137-165, 191-639.

<sup>3</sup>Ling, L. 1948. Host index of the parasitic fungi of Szechwan, China. Plant Dis. Repr. Suppl. 173: 1-38.

<sup>4</sup>Teng, S. C. 1939. A contribution to our knowledge of the higher fungi of China, 614 pp. Nat. Inst. Zool. and Bot., Academia Sinica, Nanking, China.

<sup>5</sup>Darker, G. D. 1940. A brief host index of some plant pathogens and virus diseases in Eastern Asia. Plant Dis. Repr. Suppl. 122: 93-123.

<sup>6</sup>Name of province.

## AGERATUM

A. conyzoides L.

Root knot (Heterodera marioni (Cornu) Goodey) [Meloidogyne sp.]. Kwangtung (22)

## AGROPYRON

A. seemicostatum (Steud.) Nees

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## AKEBIA

A. quinata Decne., five-leaf akebia

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ALANGIUM

A. platanifolium Harms.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ALBIZZIA

A. julibrissin Durazz., silk tree

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ALEURITES

Aleurites sp., tung oil tree

Bacterial leaf spot, unidentified. Kwangsi (48)

Mistletoe (Phoradendron sp.). Kwangsi (48)

Witches' broom, virus unidentified. Shansi (29)

## ALLIUM

A. cepa L., onion

Bacterial soft rot (Erwinia aroideae (Town.) Holland). Kiangsu (53)

Root-knot (Heterodera marioni (Cornu) Goodey). Kwangtung (22)

A. nipponicum Fr. & Sav.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## AMARANTHUS

A. caudatus L.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

A. spinosus L.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## AMORPHOPHALLUS

A. konjac K. Koch

Bacterial soft rot (Erwinia carotovora (L. R. Jones) Holland). Sikang (8)

## AMPELOPSIS

A. heterophylla S. & Z.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

A. sp.

Dodder (Cuscuta japonica Choisy). Chekaing (40)

## APHANANTHE

A. aspera Planch.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## APIUM

A. graveolens L., celery

Bacterial leaf spot (Pseudomonas apii Jagger). Honan (42)

Bacterial soft rot (Erwinia aroideae (Town.) Holland). Kiangsu (53), Manchuria (18)

Mosaic, virus unidentified. Shantung (52), Szechuan (52)

Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.] Kwangtung (22)

Yellows (Chlorogenus callistephi Holmes var. californicus Holmes, Callistephus virus 1 A.). Sikang (8)

## ARACHIS

A. hypogaea L., peanut  
 Bacterial wilt (Xanthomonas solanacearum (E. F. Sm.) Dowson). Kwangsi (38)  
 Mosaic, virus unidentified. Fukien (23), Shantung (52)  
 Rosette (Marmor arachidis Holmes, Arachis virus 1). Sikang (8)  
 Virus, unidentified. Kiangsu (53)

## ARCTIUM

A. lappa L., burdock  
 Bacterial black spot (Xanthomonas nigromaculans (Takimoto) Dowson). Hopeh (30),  
 Jehol (18), Manchuria (18)

## ARTEMISIA

A. capillaris Thunb., tarragon  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
 A. japonica Thunb.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
 A. vulgaris L., mugwort  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
 A. vulgaris L. var. parviflora Max.  
 Dodder (Cuscuta japonica Choisy). Chekaing (40)

## ASTER

A. trinervius Roxb. var. adustus Max.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ASTEROMOEAE

Asteromoea sp.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## BENINCASA

B. hispida (Thunb.) Cogn., white gourd  
 Bacterial wilt (Erwinia tracheiphila (E. F. Sm.) Holland, or Xanthomonas solanacearum (E. F. Sm.) Dowson). Southern China (33)

## BEGONIA

B. evansiana Andr.  
 Bacterial leaf spot (Xanthomonas begoniae (Takimoto) Dowson). Honan (42)

## BETA

B. vulgaris L., beet  
 Bacterial leaf spot (Pseudomonas aptata (Brown & Jamieson) F. L. Stevens). Manchuria (18)  
 Bacterial soft rot (Erwinia carotovora (L. R. Jones) Holland). Honan (42)  
 Crown gall (Agrobacterium tumefaciens (E. F. Sm. & Town.) Conn). Manchuria (18)  
 Root-knot (Heterodera marioni (Cornu) Goodey) [Meloidogyne sp.] Kwangtung (22)

## BLUMEA

B. hieracifolia DC.  
 Root-knot (Heterodera marioni (Cornu) Goodey) [Meloidogyne sp.] Kwangtung (22)

## BOEHMERIA

B. nivea Gaud., ramie  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
 B. platanifolia Fr. & Sav.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## BRASSICA

B. alboglabra Bailey  
 Bacterial black spot (Pseudomonas maculicola (McCul.) F. L. Stevens). Kwangtung (26)

## (Brassica continued)

B. campestris L. Field mustard  
 Mosaic (may be a strain of Marmor brassicae Holmes, Turnip virus 1). "Widespread in different districts in China." (27)  
 Mosaic, virus unidentified. Chekiang (52), Kiangsu (52)  
 Virus, unidentified. Kiangsu (53)

B. caulorapa Pasq., kohlrabi  
 Bacterial black spot (Pseudomonas maculicola (McCul.) F. L. Stevens). Jehol (18)  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Hopeh (2)

B. cernua Thunb.  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Fukien (23)

B. chinensis L., pak choi  
 Bacterial black spot (Pseudomonas maculicola (McCul.) F. L. Stevens). Hunan (26), Kwangtung (26)  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Hunan (26), Kiangsu (53)  
 Mosaic (may be a strain of Marmor brassicae Holmes, Turnip virus 1). "Widespread in different districts in China." (27)  
 Stem-rot, nonpar. Kweichow (39)  
 Virus, unidentified. Kiangsu (53)

B. juncea Coss., leaf-mustard  
 Bacterial black spot (Pseudomonas maculicola (McCul.) F. L. Stevens). Hunan (26), Kwangtung (26)  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Fukien (23), Hunan (26)  
 Mosaic (may be a strain of Marmor brassicae Holmes, Turnip virus 1). "Widespread in different districts in China." (27)  
 Mosaic, virus unidentified. Fukien (5)

B. napus L., rape  
 Bacterial black spot (Pseudomonas maculicola (McCul.) F. L. Stevens). Yunnan (26)

B. oleracea L. var. acephala DC., common kale  
 Bacterial black spot (Pseudomonas maculicola (McCul.) F. L. Stevens). Sikang (8)  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Fukien (23), Kiangsu (53)  
 Bacterial soft rot (Erwinia carotovora (L. R. Jones) Holland). Honan (42)  
 Black rot (Xanthomonas campestris (Pam.) Dowson). Manchuria (18)  
 Virus, unidentified. Kiangsu (53)

B. oleracea L. var. capitata L., cabbage  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). East China (32), Hopeh (2), Suiyuan (30)  
 Bacterial soft rot (Erwinia carotovora (L. R. Jones) Holland). Szechuan (31)  
 Black rot (Xanthomonas campestris (Pam.) Dowson). Suiyuan (30), Szechuan (31)

B. pekinensis Rupr., chinese cabbage  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Fukien (23), Kiangsu (16, 53), Manchuria (18)  
 Bacterial soft rot (Erwinia carotovora (L. R. Jones) Holland). Honan (42), Kiangsu (16)  
 Black rot (Xanthomonas campestris (Pam.) Dowson). Manchuria (18)  
 Mosaic, virus unidentified. Manchuria (18)  
 Virus, unidentified. Kiangsu (53)

B. rapa L., turnip  
 Bacterial black spot (Pseudomonas maculicola (McCul.) F. L. Stevens). Sikang (8)  
 Mosaic (may be a strain of Marmor brassicae Holmes, Turnip virus 1). "Widespread in different districts in China." (27)

Brassica sp.  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Sikang (8)  
 Mosaic, virus unidentified. Anhwei (52), Chekiang (52), Kiangsu (52)  
 Root-knot (Heterodera marioni (Cornu) Goodey) [Meloidogyne sp.] Kwangtung (22)

## BROMUS

B. japonicus Thunb., Japanese chess  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## BROUSSONETIA

B. kaempferi Sieb., paper mulberry

(*Broussonetia* continued)

Dodder (*Cuscuta japonica* Choisy). Chekiang (40)

**BUPLEURUM**

B. falcatum L.

Dodder (*Cuscuta japonica* Choisy). Chekiang (40)

**CALLICARPA**

C. japonica Thunb.

Dodder (*Cuscuta japonica* Choisy). Chekiang (40)

Callicarpa sp.

Dodder (*Cuscuta japonica* Choisy). Chekiang (40)

**CANARIUM**

C. album (l.) Raeusch., Chinese olive

Crown gall (*Agrobacterium tumefaciens* (E. F. Sm. & Town.) Conn). Kwangtung (41)

Algal leaf spot (*Cephaeluros virescens* Kunze). Kwangtung (13)

**CANAVALIA**

C. gladiata DC., sword bean

Root-knot (*Heterodera marioni* (Cornu) Goodey). [*Meloidogyne* sp.] Kwangtung (22)

**CAPSICUM**

C. frutescens L., red pepper

Bacterial soft rot (*Erwinia aroideae* (Town.) Holland). Hunan (26), Jehol (18), Kiangsu (53), Kwangsi (26), Manchuria (18), Sikang (8), Yunnan (26)

Bacterial spot (*Xanthomonas vesicatoria* (Dodge) Dowson). Hunan (26), Manchuria (18), Shansi (29), Sikang (8), Yunnan (26, 36)

Brown rot (*Xanthomonas solanacearum* (E. F. Sm.) Dowson). Kiangsu (53)

Leaf curl, virus unidentified. Kwangtung (41)

Mosaic, virus unidentified. Chahar (30), Honan (42), Manchuria (18), Shansi (29), "widespread" (52)

Virus, unidentified. Kiangsu (53)

Witches' broom, virus unidentified. Honan (42)

C. frutescens L. var. grossum Bailey, bell pepper

Bacterial leaf spot (*Pseudomonas* sp.) Hopeh (2)

Capsicum sp.

Virus, unidentified. Kwangtung (15)

**CARICA**

C. papaya L., papaya

Mosaic, virus unidentified. Kwangtung (15, 41)

Root-knot (*Heterodera marioni* (Cornu) Goodey). [*Meloidogyne* sp.] Kwangtung (22)

**CARPESIUM**

C. abrotanoides L.

Dodder (*Cuscuta japonica* Choisy). Chekiang (40)

**CASTANEA**

C. mollissima Bl., Chinese or oriental chestnut

Algal leaf spot (*Cephaeluros virescens* Kunze). Kwangtung (13)

Mistletoe (*Loranthus yadoriki* Sieb.). Fukien (5)

Mistletoe (*Viscum japonicum* Thunb.). Fukien (5)

Castanea sp.

Bacterial spot (*Pseudomonas* sp.). Honan (42)

**CATALPA**

Catalpa sp.

Root-knot (*Heterodera marioni* (Cornu) Goodey). [*Meloidogyne* sp.]. Szechuan (31)

**CELTIS**

C. sinensis Pers., Chinese hackberry

(Celtis continued)

Dodder (*Cuscuta japonica* Choisy). Chekiang (40)

## CHIONANTHUS

C. *retusa* Lindl., fringe tree    Dodder (*Cuscuta japonica* Choisy). Chekiang (40)

## CHRYSANTHEMUM

Chrysanthemum sp.    Spotted wilt (*Lethum australiense* Holmes, *Lycopersicon virus* 3). Sikang (8)

## CICHORIUM

C. *endivia* L., endive    Bacterial soft rot (*Erwinia carotovora* (L. R. Jones) Holland). Honan (42)

## CINNAMOMUM

C. *camphora* Nees & Eberm., camphor-tree    Mistletoe (*Loranthus yadoridi* Sieb.). Fukien (5)    Mistletoe (*Phoradendron* sp.). Kwangsi (48)    C. *cassia* Bl., cassia-bark tree    Algal leaf spot (*Cephaleuros virescens* Kunze). Kwangtung (13)

## CIRSIUM

C. *japonicum* DC.    Dodder (*Cuscuta japonica* Choisy). Chekiang (40)    Cirsium sp.    Dodder (*Cuscuta japonica* Choisy). Chekiang (40)

## CITRULLUS

C. *vulgaris* Schrad., watermelon    Mosaic, virus unidentified. Honan (42)

## CITRUS

C. *aurantifolia* Swingle, persian lime    Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17)    Greasy spot, nonpar. Kwangsi (17)    C. *aurantium* L., sour orange    Canker (*Xanthomonas citri* (Hasse) Dowson). Fukien (23), Kwangtung (41)    C. *erythrosa* Tanaka    Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17)    Foliocellosis, nonpar. Kwangsi (17)    Root-knot (*Tylenchulus semi-penetrans* Cobb). Kwangtung (21)    C. *grandis* Osbeck, shaddock    Canker (*Xanthomonas citri* (Hasse) Dowson). Kiangsi (25), Kwangsi (17, 26), Kwangtung (41), Southern China (33, 34)    Foliocellosis, nonpar. Kwangsi (17)    Greasy spot, nonpar. Fukien (25), Kiangsi (25), Kwangsi (17)    Mistletoe (*Loranthus parasiticus* (L.) Merr.). Southern China (33, 34)    Mistletoe (*L. yadoriki* Sieb.). Fukien (5)    Mistletoe (*Loranthus* sp.). Kwangsi (17)    Mottling, virus unidentified. Kwangsi (17)    Root-nematode (*Tylenchulus semi-penetrans* Cobb). Kwangtung (21)    Pitting, nonpar. Kwangsi (17)    Psorosis (*Rimocortius psorosis* (Fawcett) Holmes). Kwangsi (17, 38)    C. *hotokan* Hayata    Canker (*Xanthomonas citri* (Hasse) Dowson). Fukien (23)    C. *limon* Burm., lemon    Canker (*Xanthomonas citri* (Hasse) Dowson). Fukien (25), Kiangsi (17, 25), Southern China (33, 34)    Decline, nonpar. Fukien (25), Kwangtung (25)    Greasy spot, nonpar. Kwangsi (17)

## (Citrus continued)

- Oleocellosis, nonpar. Fukien (25), Szechuan (25)
- Root-nematode (*Tylenchulus semi-penetrans* Cobb). Kwangtung (21)
- C. medica L., citron
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17), Kwangtung (41)
- C. medioglobosa Hort. ex Tanaka
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17)
- C. microcarpa Ege., Calamondin orange
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17)
  - Root nematode (*Tylenchulus semi-penetrans* Cobb). Kwangtung (21)
- C. nobilis Lour.
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17), Kwangtung (41), Sikang (8), Southern China (33, 34).
  - Foliocellosis, nonpar. Kwangsi (17)
  - Greasy spot, nonpar. Kwangsi (17), Yunnan (36)
  - Mottle leaf, nonpar. Kwangtung (41)
  - Psoriasis (*Rimocortius psoriasis* (Fawcett) Holmes). Kwangsi (17, 38)
  - Root-nematode (*Tylenchulus semi-penetrans* Cobb). Kwangtung (21)
  - Rosette, nonpar. Southern China (34)
  - Yellowing, nonpar. Kwangtung (41)
  - Witches' broom, nonpar. Southern China (34)
- C. nobilis var. *deliciosa* Swingle, mandarin and tangerine orange
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17)
  - Foliocellosis, nonpar. Kwangsi (17)
  - Greasy spot, nonpar. Kwangsi (17)
- C. oleocarpa Hort. ex Tanaka
  - Foliocellosis, nonpar. Kwangsi (17)
- C. poonensis Tanaka
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17)
  - Decline, nonpar. Fukien (25), Kwangtung (25)
  - Foliocellosis, nonpar. Kwangsi (17)
  - Greasy spot, nonpar. Fukien (25), Kiangsi (25), Kwangsi (17)
  - Mistletoe (*Loranthus* sp.). Fukien (25)
- C. sinensis Osbeck, sweet orange
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Fukien (5, 23, 25), Hunan (26), Kwangsi (17, 26, 38), Kwangtung (41), Sikang (8), Southern China (33, 34).
  - Convex gum, virus ? Fukien (24, 25)
  - Foliocellosis, nonpar. Kwangsi (17)
  - Greasy spot, nonpar. Fukien (25), Kiangsi (25), Kwangsi (17)
  - Magnesium deficiency, nonpar. Fukien (25), Kiangsi (25)
  - Mesophyll collapse, nonpar. Fukien (25), Kiangsi (25), Szechuan (25)
  - Mottle leaf, nonpar. Kwangtung (41), Southern China (33, 34)
  - Oleocellosis, nonpar. Fukien (25), Szechuan (25)
  - Psoriasis (*Rimocortius psoriasis* (Fawcett) Holmes). Kwangsi (38)
  - Root-nematode (*Tylenchulus semi-penetrans* Cobb). Kwangtung (21)
  - Rosette, nonpar. Southern China (33, 34)
  - Yellowing, nonpar. Kwangtung (41), Southern China (33, 34)
- C. suhoniensis Tanaka
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangsi (17)
  - Greasy spot, nonpar. Kwangsi (17)
- C. tankan Hayata
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Fukien (23, 25), Kwangsi (17)
  - Decline, nonpar. Fukien (25), Kwangtung (25)
  - Greasy spot, nonpar. Fukien (25), Kiangsi (25), Kwangsi (17)
- C. tangerina Hort. ex Tanaka
  - Bark rot, virus ? Fukien (25)
  - Fruit splitting, nonpar. Fukien (25)
  - Mistletoe (*Loranthus* sp.). Fukien (25)
- C. webberi
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Kwangtung (41)
- Citrus sp.
  - Canker (*Xanthomonas citri* (Hasse) Dowson). Fukien (23), Kwangsi (48), Kwangtung (14)

## (Citrus continued)

Chlorosis, nonpar. Kwangsi (38)  
 Dodder (Cuscuta sp.) Kwangsi (48)  
 Foliocellosis, nonpar. Szechuan (31)  
 Greasy spot, nonpar. Kwangtung (14)  
 Mistletoe (Loranthus sp.). Kwangsi (38)  
 Mottle leaf, nonpar. Kwangsi (38), Kwangtung (14)

## CLAUSENA

C. lansium Skeels, wampi  
 Mistletoe (Loranthus parasiticus (L.) Merr.). Southern China (33, 34)

## COCCULUS

C. trilobus DC.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## COLOCASIA

C. esculenta (L.) Schott, taro  
 Bacterial leaf spot (? Bacterium colocasiae Takimoto). Manchuria (18), Sikang (8)  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Sikang (8)

## COLUMELLA

C. japonica (Willd.) Merr  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## COMMELINA

C. communis L.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## CORCHORUS

C. capsularis L., jute  
 Bacterial leaf spot (Xanthomonas nakatae (Okabe) Dowson). Hopeh (20), Shantung (20),  
 Sikang (8)

## CROTALARIA

C. saltiana Andr., rattle-box  
 Virus, unidentified Kwangtung (15)

## CRYPTOTAENIA

C. canadensis DC., honewort  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## CUCUMIS

C. melo L., muskmelon  
 Bacterial spot (Pseudomonas lachrymans (E. F. Sm. & Bryan) Carsner). Honan (42)  
 Mosaic, virus unidentified. Honan (42), Manchuria (18)  
 C. sativus L., cucumber  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Kiangsu (53)  
 Bacterial spot (Pseudomonas lachrymans (E. F. Sm. & Bryan) Carsner). Honan (42),  
 Manchuria (18), Sikang (8)  
 Bacterial wilt (Erwinia tracheiphila (E. F. Sm.) Holland). Honan (42), Szechuan (31)  
 Mosaic (Delphinium virus 1). Sikang (8)  
 Mosaic (Marmor cucumeris Holmes, Cucumis virus 1). Hopeh (6), Sikang (8)  
 Mosaic, virus unidentified. Chekiang (52), East China (32), Honan (42), Kiangsi (52),  
 Kiangsu (52), Kwangtung (15), Manchuria (18)  
 Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)  
 Cucumis sp.  
 Root knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.] Kwangtung (22)

## CUCURBITA

C. maxima Duchesne, squash

## (Cucurbita continued)

Mosaic, virus unidentified. Honan (42)  
 Root knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)  
C. moschata Duchesne, squash  
 Bacterial spot (Pseudomonas lachrymans (E. F. Sm. & Bryan) Carsner). Manchuria (18)  
 Mosaic, virus unidentified. East China (32), Manchuria (18), Shansi (30)  
C. pepo L., pumpkin  
 Bacterial spot (Pseudomonas lachrymans (E. F. Sm. & Bryan) Carsner). Sikang (8)  
 Mosaic (Marmor cucumeris Holmes, Cucumis virus 1). Sikang (8)  
 Mosaic, virus unidentified. Kiangsu (52)  
Cucurbita sp.  
 Mosaic, virus unidentified. Kiangsu (52)

## CUDRANIA

C. tricuspidata Hce.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## DAHLIA

Dahlia sp., dahlia  
 Mosaic, virus unidentified. Kiangsu (52)

## DALBERGIA

D. hupenana Hce.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## DATURA

D. metel L., datura  
 Mosaic, virus unidentified. Kiangsu (52)

## DAUCUS

D. carota L., carrot  
 Bacterial soft rot (Erwinia aroideae (Town.) Holland). Kiangsu (53), Sikang (8)  
 Bacterial soft rot (Erwinia carotovora (L. R. Jones) Holland). Honan (42), Manchuria (18)  
 Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)

## DESMODIUM

D. laburnifolium DC.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## DIOSPYROS

D. kaki L., persimmon  
 Algal leaf spot (Cephaleuros virescens Kunze). Kwangtung (13)  
D. kaki L. var. silvestris Mak.  
 Mistletoe (Loranthus yadoridi Sieb.). Fukien (5)

## DOLICHOS

D. lablab L., hyacinth bean  
 Mosaic, virus unidentified. Chekiang (52), Honan (42), Kiangsu (52)

## ECHINOCHLOA

E. crusgalli (L.) Beauv., barnyard grass  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ERIOBOTRYA

E. japonica Lindl., loquat  
 Bacterial canker (Pseudomonas eriobotryae (Takimoto) Dowson). Sikang (8)

## EUPATORIUM

E. chinensis L.

## (Eupatorium continued)

Dodder (Cuscuta japonica Choisy). Chekiang (40)  
E. japonica Thunb.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## EUPHORBIA

E. longan Lam., longan  
 Algal leaf spot (Cephaeluros virescens Kunze). Kwangtung (13), Southern China (33)  
 Erinose (Eriophyes sp.). Kwangtung (13)

## EVONYMUS

E. alata Reg., winged spindle-tree  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
E. hamiltoniana Wall.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## FICUS

F. carica L., fig  
 Mosaic, virus unidentified. Kiangsu (52), Kwangtung (15)  
 Virus, unidentified. Kiangsu (53)

## FLUEGGEA

F. capillipes Pax  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## FORTUNELLA

F. crassifolia Swingle, Meiwa kumquat  
 Blast, (Pseudomonas syringae Van Hall). Kwangsi (17)  
 Canker (Xanthomonas citri (Hasse) Dowson). Kwangsi (17)  
 Fruit splitting, nonpar. Kwangsi (17)  
Fortunella sp.  
 Root nematode (Tylenchulus semi-penetrans Cobb). Kwangtung (22)

## FRAXINUS

F. bungeana DC.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## GARDENIA

G. jasminoides Ellis, Cape-jasmine  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## GLYCINE

G. max (L.) Merr., soybean  
 Bacterial leaf blight (Xanthomonas phaseoli (E. F. Sm.) Dowson var. sojense (Hedges) Starr & Burkh.). Anhwei (9), Honan (42), Hopeh (9, 30), Jehol (18), Kiangsu (9), Kwangtung (26), Manchuria (18), Shansi (29, 30), Shantung (9, 30), Suiyuan (30), Yunnan (26)  
 Bacterial leaf spot (Pseudomonas glycinea Coerper). Honan (42), Sikang (8)  
 Bacterial leaf spot (Pseudomonas glycinea var. japonica (Takimoto) Savulescu). Jehol (18), Manchuria (18)  
 Dodder (Cuscuta chinensis Lam.). Honan (42), Jehol (18), Manchuria (18)  
 Mosaic (Soja virus 1). Sikang (8)  
 Mosaic, virus unidentified. Anhwei (52), East China (32), Honan (42), Hopeh (30), Kiangsu (52), Manchuria (18), Shantung (52)  
 Virus, unidentified. Kiangsu (53)

## GOSSYPIUM

G. barbadense L., sea-island cotton  
 Angular leaf spot (Xanthomonas malvacearum (E. F. Sm.) Dowson). Yunnan (36)  
G. herbaceum L., G. hirsutum L., cotton  
 Albasty, nonpar. Anhwei (9), Hopeh (9), Kiangsu (9), Shantung (9)  
 Angular leaf spot (Xanthomonas malvacearum (E. F. Sm.) Dowson). Anhwei (9, 35),

## (Gossypium continued)

Chekiang (35), Fukien (5), Honan (35, 42), Hopeh (2, 9, 30, 35), Hunan (26, 35), Hupeh (35), Jehol (18), Kiangsi (35), Kiangsu (9, 35, 53), Kwangsi (35, 38, 48), Kweichow (39), Manchuria (18), Shansi (29, 30), Shantung (9, 30, 35), Shensi (35), Sikang (8), Szechuan (47), Yunnan (36)

Cyrtosis (Chlorita biguttula Mats.). Anhwei (7, 35), Chekiang (7, 35), East China (32), Honan (7, 35, 42), Hopeh (35), Hunan (7, 35), Hupeh (7, 35), Kiangsi (7, 35), Kiangsu (7, 35, 53), Kweichow (39), Kwangsi (35), Shantung (35), Szechuan (47)

"Rust" or potash hunger, nonpar. Honan (35, 42), Hopeh (35), Kiangsu (35), Shantung (35)

Tomosis (Lygus lucorum Fieb. var. Adelphocoris suturalis Jak.). Anhwei (35), Chekiang (35), Honan (35, 42), Hopeh (35), Hunan (35), Hupeh (35), Kiangsi (35), Kiangsu (35, 53), Shantung (35), Szechuan (47)

## HELIANTHUS

H. annuus L., sunflower

Bacterial leaf spot (Pseudomonas helianthi (Kawamura) Savulescu). Manchuria (18)

Mosaic, virus unidentified. Manchuria (18)

## HEMIPTELEA

H. davidi Planch.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## HIBISCUS

H. esculentus L., okra

Root knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)

Hibiscus sp.

Bacterial spot (Pseudomonas syringae Van Hall). Sikang (8)

## HORDEUM

H. vulgare L., barley

Bacterial blight (Xanthomonas translucens (L. R. Jones et al.) Dowson). Manchuria (18)

## HUMULUS

H. scandens Merr., Japanese hop

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## IMPERATA

I. cylindrica (L.) Beauv.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## IPOMOEA

I. batatas Lam., sweetpotato

Mosaic, virus unidentified. Chekiang (52)

Virus, unidentified. Kiangsu (53)

I. reptans (L.) Poir.

Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)

## JUGLANS

J. regia L. Persian walnut

Bacterial blight (Xanthomonas juglandis (Pierce) Dowson). Honan (42), Hopeh (30)

## KOELREUTERIA

K. integrifoliola Merr.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## LACTUCA

L. sativa L., lettuce

Bacterial marginal rot (Pseudomonas marginalis (N. A. Brown) F. L. Stevens). Manchuria (18), Szechuan (31)

Bacterial soft rot (Erwinia aroideae (Town.) Holland). Kiangsu (53)

Bacterial spot (Xanthomonas vitians (N. A. Brown) Starr & Weiss). Hunan (26)

## (Lactuca continued)

Mosaic, virus unidentified. Chekiang (52), Hupeh (52), Kiangsu (52), Szechuan (52)  
 Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)  
 Virus, unidentified. Kiangsu (53)

## LAGENARIA

L. siceraria Standl., white-flowered gourd  
 Bacterial spot (Pseudomonas lachrymans (E. F. Sm. & Bryan) Carsner). Sikang (8)  
 Mosaic (Marmor cucumeris Holmes, Cucumis virus 1). Sikang (8)

## LATHYRUS

L. odoratus L., sweetpea  
 Virus, unidentified. Kiangsu (53)

## LINUM

L. usitatissimum L., flax  
 Dodder (Cuscuta epilinum Weihe). Manchuria (18)

## LIGUSTRUM

L. lucidum Ait., glossy privet  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
L. compactum Hook  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
L. robustum Bl.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## LIQUIDAMBAR

L. formosana Hance  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
 Mistletoe (Loranthus yadoriki Sieb.). Fukien (5)  
 Mistletoe (Phoradendron sp.). Kwangsi (48)

## LITCHI

L. chinensis Soon., litchi  
 Algal leaf spot (Cephaleuros virescens Kunze). Kwangtung (13)  
 Erinose (Eriophyes sp.). Kwangtung (13)

## LITHOCARPUS

L. uvariifolia (Hance) Rehder  
 Algal leaf spot (Cephaleuros virescens Kunze). Kwangtung (13)

## LUFFA

L. acutangula Roxb., acute-angled cucumber  
 Bacterial spot (Pseudomonas lachrymans (E. F. Sm. & Bryan) Carsner). Sikang (8)

## LYCOPERSICON

L. esculentum Mill., tomato  
 Bacterial spot (Pseudomonas vesicatoria (Doidge) Dowson). Honan (42), Hunan (26)  
 Bacterial soft rot (Erwinia carotovora (L. R. Jones) Holland). Szechuan (45)  
 Bacterial wilt (Xanthomonas solanacearum (E. F. Sm.) Dowson). Hunan (26), Fukien  
 (5, 23), Kiangsu (53), Kwangtung (26), Southern China (33)  
 Blossom end rot, nonpar. Fukien (5), Kweichow (39), Manchuria (18)  
 Bottom rot, nonpar. Szechuan (45)  
 Bunchy top (Lycopersicon virus 6). Szechuan (45)  
 Common mosaic (Marmor tabaci Holmes, Nicotiana virus 1). Fukien (23), Chekiang  
 (52), Honan (52), Kiangsu (32, 52), Kwangtung (41), Shansi (29), Shantung (52),  
 Szechuan (45)  
 Fern leaf (Marmor cucumeris Holmes, Cucumis virus 1). Szechuan (45)  
 Leaf curl, virus unidentified. Chekiang (52), Honan (52), Kiangsu (52), Shantung (52)  
 Leaf roll, virus unidentified. Kiangsu (52)  
 Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)

## (Lycopersicon continued)

Rugose mosaic, virus unidentified. Kiangsu (52)  
 Spotted wilt (Lethum australiense Holmes, Lycopersicon virus 3). Szechuan (45)  
 Streak (Complex of Marmor dubium (Holmes) Holmes and M. tabaci Holmes; Solanum virus 1 and Nicotiana virus 1). Kiangsu (52), Szechuan (45)  
 Virus, unidentified. Jehol (18), Kiangsu (53), Manchuria (18), Kwangtung (15)  
 Yellow mosaic (Marmor tabaci Holmes, Nicotiana virus 1). Szechuan (45)  
 Witches' broom, virus unidentified. Honan (42)

## LYCORIS

L. radiata Herb.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## MALLOTUS

M. repandus Muell-Arg.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## MALUS

M. sylvestris Mill., apple  
 Crown gall (Agrobacterium tumefaciens (E. F. Smith & Town.) Conn). Kiangsu (53),  
 Manchuria (18)  
 Mosaic, virus unidentified. Hopeh (2, 30), Manchuria (18)

## MALVA

M. sylvestris L., cheese flower  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## MAGNOLIA

M. grandiflora L.  
 Algal leaf spot (Cephaleuros virescens Kunze). Kwangtung (13)

## MANGIFERA

M. indica L., mango  
 Algal leaf spot (Cephaleuros virescens Kunze). Kwangtung (13)  
 Pleurococcus blotch (Pleurococcus sp.). Kwangtung (13)

## MEDICAGO

M. sativa L., alfalfa  
 Mosaic, virus unidentified. Kiangsu (52)

## MELILOTUS

M. alba Desr., white sweetclover  
 Mosaic, virus unidentified. Kiangsu (52)  
M. indica All.  
 Bacterial leaf spot (Pseudomonas syringae Van Hall). Yunnan (26)

## MICHELIA

M. fuscata Bl.  
 Algal leaf spot (Cephaleuros virescens Kunze). Kwangtung (13)

## MISCANTHUS

M. sinensis Anderss., eulalia  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
Misanthus sp.  
 Broom rape (Orobanche sp.). Honan (42)

## MORUS

M. alba L., white-fruited mulberry  
 Bacterial blight (Pseudomonas mori (Boyer & Lambert) F. L. Stevens). Kiangsu (53),  
 Kwangtung (41), Sikang (8), Szechuan (31)  
 Mosaic, virus unidentified. Kwangtung (15)

(Morus continued)

Root-knot (Heterodera marioni (Cornu) Goodey) [Meloidogyne sp.]. Kwangtung (22)

## NELUMBO

N. nucifera Gaertn., East Indian lotus  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## NICOTIANA

N. tabacum L., tobacco  
 Angular leaf spot (Pseudomonas angulata (Fromme & Murray) Holland). Sikang (8), Yunnan (26)  
 Black leg (Erwinia aroideae (Town.) Holland). Honan (42), Hopeh (30), Kiangsu (53), Manchuria (18), Sikang (8)  
 Chlorosis, nonpar. Southern China (33)  
 Common mosaic (Marmor tabaci Holmes, Nicotiana virus 1). Chahar (30), Fukien (5), Honan (42), Hopeh (9, 30), Hupeh (52), Jehol (18), Kwangtung (13), Manchuria (18), Shansi (29), Shantung (9, 30, 52), Sikang (8), Southern China (33), Szechuan (49)  
 Granville wilt (Xanthomonas solanacearum (E. F. Sm.) Dowson). Honan (42), Hopeh (30), Kiangsu (53), Shantung (9, 30), Sikang (8), Southern China (33)  
 Leaf curl, virus unidentified. Hupeh (52)  
 Latent mosaic (Annulus dubius Holmes, Solanum virus 1). Sikang (8)  
 Mosaic (Marmor upsilon Holmes, Solanum virus 2). Sikang (8)  
 Ring spot (Annulus tabaci Holmes, Nicotiana virus 12). Honan (42), Hupeh (52), Manchuria (18), Shansi (29), Shantung (9), Sikang (8), Szechuan (49, 52)  
 Spot necrosis, virus unidentified. Hupeh (52)  
 Wild fire (Pseudomonas tabaci (Wolf & Foster) F. L. Stevens). Honan (42), Hopeh (30), Hunan (26), Jehol (18), Kiangsu (53), Kweichow (39), Manchuria (18), Shantung (30), Szechuan (49), Yunnan (26)  
 Virus, unidentified. Kweichow (39)

## ORYZA

O. sativa L., rice  
 Bacterial leaf blight (Xanthomonas oryzae (Uyeda & Ishiyama) Dowson). Kiangsu (44), Sikang (8), Yunnan (36)  
 Dwarf disease (Fractillinea oryzae (Holmes) Holmes, Oryza virus 1). Sikang (8)  
 Straighthead, nonpar. Kiangsu (44)

## OXALIS

O. martiana Zucc.  
 Root-nematode (Tylenchulus semi-penetrans Cobb). Kwangtung (21)

## PANICUM

P. miliaceum L., broom-corn millet  
 Bacterial stripe (Pseudomonas panici-miliacei (Ikata & Yamauchi) Savulescu). Manchuria (18)

## PERILLA

P. ocimoides L.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## PERSEA

P. americana Mill., avocado  
 Algal leaf spot (Cephaleuros virescens Kunze). Kwangtung (13)

## PETROSELINUM

P. crispum Nym.  
 Root-nematode (Tylenchulus semi-penetrans Cobb). Kwangtung (21)

## PETUNIA

P. violacea Lindl., petunia  
 Mosaic, virus unidentified. Kiangsu (52)

## PEUCEDANUM

P. decursivum Max.  
    Dodder (Cuscuta japonica Choisy). Chekiang (40)

## PHASEOLUS

P. limensis Macf., lima bean  
    Mosaic, virus unidentified. Kiangsu (52)

P. lunatus L., sieva bean  
    Mosaic, virus unidentified. Kwangtung (15)

P. mungo L.  
    Bacterial blight (Xanthomonas phaseoli (E. F. Sm.) Dowson). Manchuria (18), Sikang (8)  
    Common mosaic (Marmor phaseoli Holmes, Phaseolus virus 1). Honan (42), Sikang (8)  
    Virus, unidentified. Manchuria (18)

P. radatus L.  
    Bacterial blight (Xanthomonas phaseoli (E. F. Sm.) Dowson). Manchuria (18)  
    Mosaic, virus unidentified. Hopeh (30)  
    Virus, unidentified. Manchuria (18)

P. vulgaris L., kidney bean  
    Bacterial leaf spot (Xanthomonas phaseoli (E. F. Sm.) Dowson var. sojense (Hedges)  
        Starr & Burk.). Sikang (8)  
    Bacterial blight (Xanthomonas phaseoli (E. F. Sm.) Dowson). Honan (42), Kiangsu (53),  
        Southern China (33), Szechuan (31), Yunnan (26)  
    Common mosaic (Marmor phaseoli Holmes, Phaseolus virus 1). Hopeh (6), Sikang (8)  
    Mosaic, virus unidentified. Chekiang (52), Honan (42), Kiangsu (52), Kwangtung (15),  
        Manchuria (18)  
    Root-knot (Heterodera marioni (Cornu) Goodey) [Meloidogyne sp.]. Kwangtung (22)  
    Virus, unidentified. East China (33), Kiangsu (53)  
    Yellow mosaic (Phaseolus virus 2). Sikang (8)

## PHYLLOSTACHYS

P. bambusoides Sieb. & Zucc.  
    Dodder (Cuscuta japonica Choisy). Chekiang (40)

## PISUM

P. sativum L., garden pea  
    Mosaic, virus unidentified. Kiangsu (52), Shantung (52)  
    Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)  
    Streak (Marmor iners Holmes). Kiangsu (52)  
    Virus, unidentified. Kiangsu (53)

## POLYGONUM

P. alatum Ham.  
    Dodder (Cuscuta japonica Choisy). Chekiang (40)

P. cuspidatum Sieb. & Zucc.  
    Dodder (Cuscuta japonica Choisy). Chekiang (40)

P. flaccidium Roxb.  
    Dodder (Cuscuta japonica Choisy). Chekiang (40)

P. hastano-sagittatum Mak.  
    Dodder (Cuscuta japonica Choisy). Chekiang (40)

## POPULUS

P. alba L., white poplar  
    Dodder (Cuscuta japonica Choisy). Chekiang (40)

Populus sp.  
    Mistletoe (Viscum album L.). Honan (42)

## PRIMULA

P. sinensis Lindl., Chinese primrose  
    Mosaic, virus unidentified. Kiangsu (52)

## PRUNUS

- P. armeniaca L., apricot
  - Bacterial spot (Xanthomonas pruni (E. F. Sm.) Dowson). Hopeh (30), Shantung (30)
  - Crown gall (Agrobacterium tumefaciens (E. F. Sm. & Town.) Conn). Kiangsu (53)
- P. cerasus L., sour cherry
  - Bacterial spot (Xanthomonas pruni (E. F. Sm.) Dowson). Manchuria (18)
- P. domestica L., common or European plum
  - Bacterial spot (Xanthomonas pruni (E. F. Sm.) Dowson). Hunan (26)
- P. manshurica Kochine
  - Bacterial spot (Xanthomonas pruni (E. F. Sm.) Dowson). Manchuria (18)
- P. persica Sieb. & Zucc., peach
  - Bacterial spot (Xanthomonas pruni (E. F. Sm.) Dowson). Hopeh (30), Hunan (26), Kiangsu (53), Shansi (30), Shantung (30), Sikang (8), Yunnan (26)
  - Crown gall (Agrobacterium tumefaciens (E. F. Sm. & Town.) Conn). Honan (42), Kiangsu (53)
  - Dodder (Cuscuta japonica Choisy). Chekiang (40)
  - Rosette, virus unidentified. Hopeh (30)
  - Yellowing, nonpar. Southern China (33)
- P. salicina Lindl., Japanese plum
  - Bacterial spot (Xanthomonas pruni (E. F. Sm.) Dowson). Honan (42), Manchuria (18)
- Prunus sp.
  - Fire blight (Erwinia amylovora (Burrill) Winslow et al.). Honan (42)

## PSIDIUM

- P. guajava L., guava
  - Algal leaf spot (Cephaleuros virescens Kunze). Kwangtung (13)
  - Mistletoe (Loranthus yadoriki Sieb.). Fukien (5)

## PTERIDIUM

- P. aquilinum (L.) Kuehn
  - Dodder (Cuscuta japonica Choisy). Chekiang (40)

## PTEROCARYA

- P. stenoptera DC., Chinese ash
  - Dodder (Cuscuta japonica Choisy). Chekiang (40)
  - Mistletoe (Loranthus yadoriki Sieb.). Sikang (8)
  - Mistletoe (Viscum album L.). Honan (42)

## PUERARIA

- P. thunbergiana Benth.
  - Dodder (Cuscuta japonica Choisy). Chekiang (40)

## PYRUS

- P. serotina Rehd., oriental pear
  - Erinose (Eriophyes piri Nal.). Hopeh (30), Manchuria (18)
- Pyrus sp.
  - Fire blight (Erwinia amylovora (Burrill) Winslow et al.). Hopeh (30), Kwangtung (41), Sikang (8)
  - Mistletoe (Loranthus yadoriki Sieb.). Fukien (5)

## QUERCUS

- Q. acutissima Carr.
  - Mistletoe (Loranthus yadoriki Sieb.). Sikang (8)
- Q. serrata Thunb.
  - Mistletoe (Loranthus yadoriki Sieb.). Sikang (8)
- Quercus sp.
  - Balanophora sp. Honan (42)

## RAPHANUS

- R. sativus L., radish
  - Bacterial black spot (Pseudomonas maculicola (McCul.) F. L. Stevens). Hunan (26), Kwangsi (26), Manchuria (18), Sikang (8)

## (Raphanus continued)

Bacterial soft rot (Erwinia aroideae (Town.) Holland). Honan (42), Hopeh (2)

Bacterial soft rot (Erwinia carotovora (L. R. Jones) Holland). Honan (42)

Black rot (Xanthomonas campestris (Pam.) Dowson). Honan (42), Manchuria (18), Sikang (8)

Mosaic, virus unidentified. Jehol (18), Kiangsu (52), Manchuria (18)

Virus, unidentified. Kiangsu (53)

R. sativus L. var. longipinnatus Bailey, Chinese radish

Mosaic, (may be a strain of Marmor brassicae Holmes, Turnip virus 1). "Widespread in different districts in China." (27)

## RHUS

R. chinensis Mill.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

R. sylvestris Sieb. & Zucc.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## RICINUS

R. communis L., castor bean

Bacterial leaf spct (Xanthomonas ricinicola (Elliott) Dowson). Honan (42), Hopeh (19), Jehol (18), Manchuria (18), Shansi (29), Shantung (19), Sikang (8)

## ROSA

R. acicularis Lindl.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

R. multiflora Thunb.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

## RUBUS

R. lambertianus Ser.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

R. parvifolius L.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

Rubus sp.

Mosaic, virus unidentified. Kiangsu (52)

## RUMEX

Rumex sp.

Dodder (Cuscuta chichymum L.). Sikang (8)

## SACCHARUM

S. officinarum L., sugarcane

Bacterial red stripe (Xanthomonas rubrilineans (Lee et al.) Starr & Burk.). Kwangtung (12, 26)

Magnesium chlorosis, nonpar. Kwangtung (12)

Mosaic (Marmor sacchari Holmes, Saccharum virus 1). Fukien (5, 28, 52), Kwangtung (12, 15), Sikang (8), Szechuan (28, 52)

Sectional chlorosis, nonpar. Kwangtung (12)

Yellow stripe, nonpar. Kwangtung (12), Southern China (33)

## SALIX

S. babylonica L., weeping willow

Dodder (Cuscuta japonica Choisy). Chekiang (40)

Mistletoe (Loranthus yadoridi Sieb.). Sikang (8)

S. bockii Seem.

Mistletoe (Loranthus yadoridi Sieb.). Sikang (8)

S. wilsonii Seem.

Dodder (Cuscuta japonica Choisy). Chekiang (40)

Salix sp.

Dodder (Cuscuta major DC.). Honan (42)

Dodder (Cuscuta sp.). Kwangsi (48)

## SASA

S. albo-marginata Mak. & Shib.  
Dodder (Cuscuta japonica Choisy). Chekiang (40)

## SAURURUS

S. loureiri Dcne., lizard's tail  
Dodder (Cuscuta japonica Choisy). Chekiang (40)

## SAUSSUREA

S. affinis Spr.  
Dodder (Cuscuta japonica Choisy). Chekiang (40)

## SCROPHULARIA

S. patriniana Wydl.  
Dodder (Cuscuta japonica Choisy). Chekiang (40)

## SESAMUM

S. indicum L., sesame  
Bacterial spot (Pseudomonas sesami Malkoff). Honan (42), Hopeh (30), Hunan (26), Jehol (18), Kweichow (39), Manchuria (18), Shansi (30), Sikang (8)  
Bacterial wilt (Xanthomonas solanacearum (E. F. Sm.) Dowson). Honan (42), Sikang (8)  
Virus, unidentified. Kiangsu (53)  
Witches' broom, virus unidentified. Honan (42)

## SETARIA

S. italica (L.) Beauv., foxtail millet  
Bacterial brown stripe (Pseudomonas setariae (Okabe) Savulescu). Manchuria (18)  
Nematode disease (Anguillulina sp.). Hopeh (1)

## SOLANUM

S. melongena L., eggplant  
Bacterial wilt (Xanthomonas solanacearum (E. F. Sm.) Dowson). Manchuria (18), Sikang (8), Southern China (33)  
Mosaic (Marmor tabaci Holmes, Nicotiana virus 1). Sikang (8)  
Mosaic, virus unidentified. Kwangtung (15)  
Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)  
Virus, unidentified. Kiangsu (53)

S. tuberosum L., potato  
Aucuba mosaic (Marmor aucuba Holmes, Solanum virus 9). Sikang (8)  
Bacterial soft rot (Erwinia aroideae (Town.) Holland). Manchuria (18), Sikang (8)  
Black leg (Erwinia carotovora (L. R. Jones) Holland). Honan (42)  
Brown rot (Xanthomonas solanacearum (E. F. Sm.) Dowson). Kiangsu (53), Sikang (8)  
Latent mosaic (Annulus dubius (Holmes) Holmes, Solanum virus 1). Sikang (8)  
Leaf roll (Corium solani Holmes, Solanum virus 14). Chinghai (11), Honan (11, 42), Hupeh (11), Kansu (11), Kiangsu (52), Kweichow (11), Shensi (11), Szechuan (11), Yunnan (11)  
Mild mosaic (Marmor solani Holmes, Solanum virus 3). Kweichow (11), Sikang (8)  
Mosaic, virus unidentified. East China (32), Honan (42), Kwangtung (13, 41), Shantung (4), Shansi (30), "General" (52)  
Rugose mosaic (Complex of Marmor epsilon Holmes and M. dubium (H.) Holmes; Solanum virus 2 and Solanum virus 1). Chinghai (11), Kansu (11), Kweichow (11), Shensi (11), Sikang (8), Szechuan (11)  
Scab (Streptomyces scabies (Thaxter) Waksman & Henrici). Anhwei (9), East China (32), Honan (42), Hopeh (9), Kiangsu (9), Kwangtung (41), Manchuria (18), Shantung (9), Szechuan (37)  
Spindle sprout, viruses unidentified. Chinghai (11), Kansu (11), Shensi (11)  
Spindle tuber (Acrogenus solani Holmes, Solanum virus 12). Kiangsu (52)  
Virus, unidentified. Jehol (18), Kiangsu (53), Manchuria (18)  
Witches' broom (Chlorogenus solani Holmes, Solanum virus 15). Kiangsu (52), Kweichow (11)

## SOPHORA

S. flavescent Ait. var. galegonides Hemsl.  
Dodder (Cuscuta japonica Choisy). Chekiang (40)

## SORGHUM

S. vulgare Pers., sorghum  
Bacterial spot (?Bacillus sorghi Burr.). Yunnan (26)  
Bacterial spot (Pseudomonas syringae Van Hall). Hunan (26), Yunnan (26)  
Bacterial stripe (Pseudomonas andropogoni (E. F. Sm.) Stapp). Honan (42), Shansi (29)  
Stripe (Fractilinea zeae (Holmes) Holmes, Zea virus 1). Sikang (8)

## SPINACIA

S. oleracea L., spinach  
Mosaic (Marmor cucumeris Holmes, Cucumis virus 1). Sikang (8)  
Mosaic, virus unidentified. Anhwei (52), Chekiang (52), Hunan (52), Hupeh (52), Kiangsi (52)  
Root-knot (Heterodera marioni (Cornu) Goodey). [Meloidogyne sp.]. Kwangtung (22)  
Virus, unidentified. Kiangsu (53)

## SYZYGIUM

S. jambos (L.) Alston, rose-apple  
Algal leaf spot (Cephaeluros virescens Kunze). Kwangtung (13)

## THEA

T. sinensis L., tea  
Algal leaf spot (Cephaeluros virescens Kunze). Fukien (43), Kwangtung (14)  
Bacterial leaf spot (Bacillus theae Hori & Bokura). Fukien (43), Yunnan (26)  
Black speck, nonpar. Fukien (43)  
Dodder (Cuscuta japonica Choisy). Chekiang (46)  
Silver leaf, nonpar. Fukien (43)

## TORILIS

T. anthriscus Bernh.  
Dodder (Cuscuta japonica Choisy). Chekiang (40)

## TRIFOLIUM

T. repens L., white clover  
Mosaic, virus unidentified. Kiangsu (52)  
Trifolium spp.  
Mosaic, virus unidentified. Kiangsu (52)

## TRITICUM

T. aestivum L., wheat  
Bacterial blight (Xanthomonas translucens (L. R. Jones, A. G. Johns., & Reddy) Dowson). Honan (42), Manchuria (18)  
Bacterial disease (Corynebacterium tritici (Hutchinson) Burk. H.). Hopeh (2, 3), Kwei-chow (3)  
Nematode (Anguillulina tritici (Steinbuch) Gervais & v. Beneden) [Anguina tritici (Steinbuch) Filip.]. Anhwei (9, 10), Chahar (10), Chekiang (10), Chinghai (10), Fukien (10), Honan (10, 42), Hopeh (1, 2, 3, 9, 10), Hunan (10), Hupeh (10), Kansu (10), Kiangsi (10), Kiangsu (9, 10, 32, 53), Kwangsi (10), Kwangtung (10), Kweichow (3, 10), Manchuria (18), Ningsia (10), Shansi (10), Shantung (4, 9, 10), Shensi (10), Sikang (10), Sinkiang (10), Suiyuan (10), Szechuan (10), Yunnan (10)

## TROPAEOLUM

T. majus L., garden nasturtium  
Mosaic, virus unidentified. Szechuan (52)

## VICIA

V. faba L., broad bean  
Bacterial blight (Pseudomonas viciae Uyeda). Manchuria (18)

## (Vicia continued)

Bacterial stem blight (Pseudomonas fabae (Yu) Burk.). Kiangsu (50, 53)  
 Enation mosaic (Marmor pisi Holmes, Pisum virus 1). South-east part of China (54)  
 Mild mosaic, (mild mosaic virus). Chekiang (51, 52), Kiangsu (51)  
 Mosaic, virus unidentified. Anhwei (52), East China (32), Hunan (52), Hupeh (52),  
 Chekiang (52), Kiangsi (52), Kiangsu (52), Szechuan (52)  
 Rosette, virus unidentified. Kiangsu (52)  
 Spotted wilt (Lethum australiense Holmes, Lycopersicon virus 3). Szechuan (56)  
 Virus, unidentified. Kiangsu (53)

## VIGNA

V. sinensis Savi, cowpea  
 Mosaic (Marmor cucumeris Holmes, Cucumis virus 1). "Very prevalent along the  
 Yangtze valley." (55)  
 Mosaic, virus unidentified. Anhwei (52), Honan (42), Chekiang (52), Kiangsi (52),  
 Kiangsu (52)  
 Root-knot (Heterodera marioni (Cornu) Goodey) [Meloidogyne sp.]. Kwangtung (23)  
 Virus, unidentified. East China (32), Kiangsu (53), Szechuan (37)  
 Witches' broom, virus unidentified. Honan (42)

## VITEX

V. trifolia L.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## VIOLA

Viola sp.  
 Mosaic, virus unidentified. Honan (42)  
 Root-nematode (Tylenchulus semi-penetrans Cobb). Kwangtung (21)

## VITIS

V. vinifera L., grape  
 Erinose (Eriophyes vitis Nal.). Hopeh (9, 30), Manchuria (18), Shantung (9, 30)

## XYLOSMA

X. congestum (Lour.) Merr.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ZANTHOXYLUM

Z. alatum Roxb., Japanese pepper  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)  
Zanthoxylum sp.  
 Dodder (Cuscuta japonica Choisy). Chekiang (40)

## ZEA

Z. mays L., corn  
 Bacterial wilt (Bacterium stewarti E. F. Sm.). Honan (42)  
 Mosaic, virus unidentified. Hunan (52), Kwangtung (15)  
 Streak (Fractilinea maidis (Holmes) McKinney, Zea virus 2). Hunan (52), Sikang (8)  
 Stripe (Fractilinea zeae (Holmes) Holmes, Zea virus 1). Sikang (8)

## ZIZYPHUS

Z. jujuba Mill, jujube  
 Witches' broom, virus unidentified. Honan (42), Shansi (29)  
Z. spinosus Hu  
 Virus, unidentified. Honan (42), Hupeh (2)

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